



HS420 HDMI 4X2 Matrix

User Manual



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Kinivo Product Support

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Introduction

The Kinivo HDMI Matrix switch enables up to four different HDMI input source devices (Such as the DVD player, cable box, and gaming console such as the x-box, PS3 etc.) to be connected to two output devices such as the HDTV, video projector etc. It is an easy, convenient and inexpensive solution to expand your home theater setup.

Packing List

- HDMI Matrix
- Power Supply
- Remote Controller
- User Manual

Features

1. Supports 4 different HDMI signal input sources and 2 different outputs. Simultaneously distributes HDMI signal to multi display devices.
2. Supports deep color 36bit signal for true matrix output.
3. Supports CEC

4. Supports RS232 remote control.
5. Auto Sensing Feature
6. User can choose between manual or remote operation.
7. HS420 HDMI 4*2 Matrix Switch Supports 4 HDMI input sources & 2 HDMI output sources.

Smart Function Introduction

1. When the HDMI Matrix is powered on, it senses the input ports automatically and bypasses input port without signal.
2. Press 'memory' button on the remote to get the switch to remember the active input source port(s). The Matrix switch selects this input source port automatically when the matrix switch restarts.

Remote Control

(Control via infrared controller)

1. Directly select a specific HDMI Input by choosing 1, 2, 3 or 4.
2. Press "Memory" button to get the Matrix to remember the active input source(s) and the Matrix will select the input source(s) automatically when it restarts.

Note: RS232 control is disabled.

Installation

How to connect the switch to your devices

1. Connect the signal source from devices such as Blu-ray, DVD players, gaming consoles such as PS3 and Xbox 360, Set top boxes, etc. into the HDMI Matrix Switch input. (Use HDMI to HDMI cable for HDMI Source or HDMI to DVI cable for DVI Source)
2. Connect the cables from your display devices such as HDTV's or HD projectors into the HDMI Matrix Switch output.
3. This device is powered by a 5v external power supply (included)
4. Power on the input devices, display devices and the external power.

Note

- Please insert or pull HDMI cables with caution. Do not exert force while inserting or removing cable.
- If two outputs with different resolutions are connected to the same input source program, only the lower audio video format will be supported.
- For instance: If TV "a" has a resolution of 1080p and TV "b" has a resolution of 720p and both the TVs are connected to the same input source (For instance: a DVD player) only 720p will be supported.
- If two outputs with different resolutions are connected to different input source programs, then it does not have the above mentioned behavior.

LED Indication

- Blue LED indicates “Active signal path”
- No LED indicates “No input signal”

Specifications

Standard Compliance	HDCP 1.2
Supports Resolution	1080P/1080i/720P/576P/480P/576i/480i
HDMI Output Ports	HS420 – 2
HDMI Input Ports	HS420 – 4
Signal Range	Up to 1080p@60Hz with 36-bit color depth
Power Adapter Supply	DC 5V, 2A Power Adapter Format
Input	50/60Hz AC, 100V – 240V
Output	5V DC
Support Video Color Format	Deep Color 24bit/36bit
Operating Temperature	-5°C to +55°C, 5°F to 131°F

Operating Humidity	5% - 90% RH (No condensation)
Product Dimension	HS420 – 10.2" x 4.5" x 0.87", 260mm L x 115mm W x 27mm H
Supports Audio Format	Supports LPCM, Dolby-AC3, DTS 7.1, DSD
Max Working Current	1200 mA
Data Transfer Speed	2.25 Gbps/Channel
Input Video Signal	5 volts p-p
HDMI Output Cable Distance	<= 20m(If longer length is required, amplifier must be used)
Supports 3D	Yes

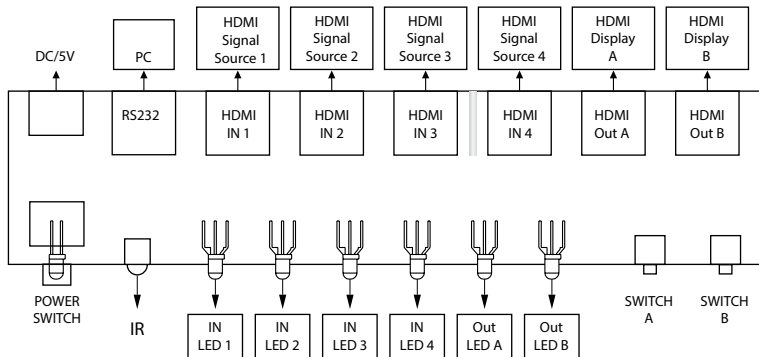
Important Safety Instructions

Please read instructions carefully before operation -

1. To prevent risk of electric shock, do not remove cover of the unit. Refer all servicing to qualified service personnel only.
2. Do not use the splitter near water or any other liquid.
3. Clean only with dry cloth.
4. Do not install or place this unit in a bookcase, built-in cabinet or in any other confined space. Ensure the unit is well ventilated.

5. To prevent risk of electric shock or fire hazard, do not block the unit's ventilation openings.
6. Do not install near any heat sources such as radiators, stoves, heat registers etc.
7. Unplug during lightning storms or when unused for a long period of time.
8. Protect power cord from being pinched, particularly near plug points.
9. Only use attachments/accessories specified by manufacturer.

Charts



Switch “A” on the matrix corresponds to HDMI output “A” and Switch “B” corresponds to HDMI output “B”. These buttons can be used to manually select the desired input on their respective output devices.

For instance: The button Switch “A” can be used to select the input that goes to output “A”

Warranty

1 Year Limited Hardware Warranty.

Kinivo hereby warrants to the customer of record that this product is in good-working condition and free from defects in material or workmanship under normal use for a duration of 1 year after the date of purchase. The product has been tested to meet the highest quality standards in each testing category. In the unlikely event that the product proves to be defective, Kinivo will repair or replace the product free of charge. If replacement is required and if Kinivo then no longer carries the same product, then Kinivo reserves the right to substitute the product with a replacement product of like quality and size, suitable for the intended use.

This warranty is limited to repair or replacement of the mentioned product only, is non-transferable and does not extend to any product damaged by misuse, natural disasters or any other circumstances beyond Kinivo’s control. The warranty does not cover or provide for the reimbursement or payment of incidental or consequential damage resulting from breach of the limited warranty described

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If your product is not functioning or you have any concerns please contact Kinivo Support before returning the product.

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Please visit us at support.kinivo.com or www.kinivo.com for support information, downloads and how-to's. You may also reach us via email or live chat (details below).

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hardware warranty

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